

Title: POLYTHIOPHENES, BLOCK
COPOLYMERS MADE THEREFROM
AND METHODS OF FORMING THE
SAME
Application No. 10/634,035

FIG. 1 MALDI MS reveals the incorporation of -OH functional group
on one end of HT-PHT C_6H_{13}

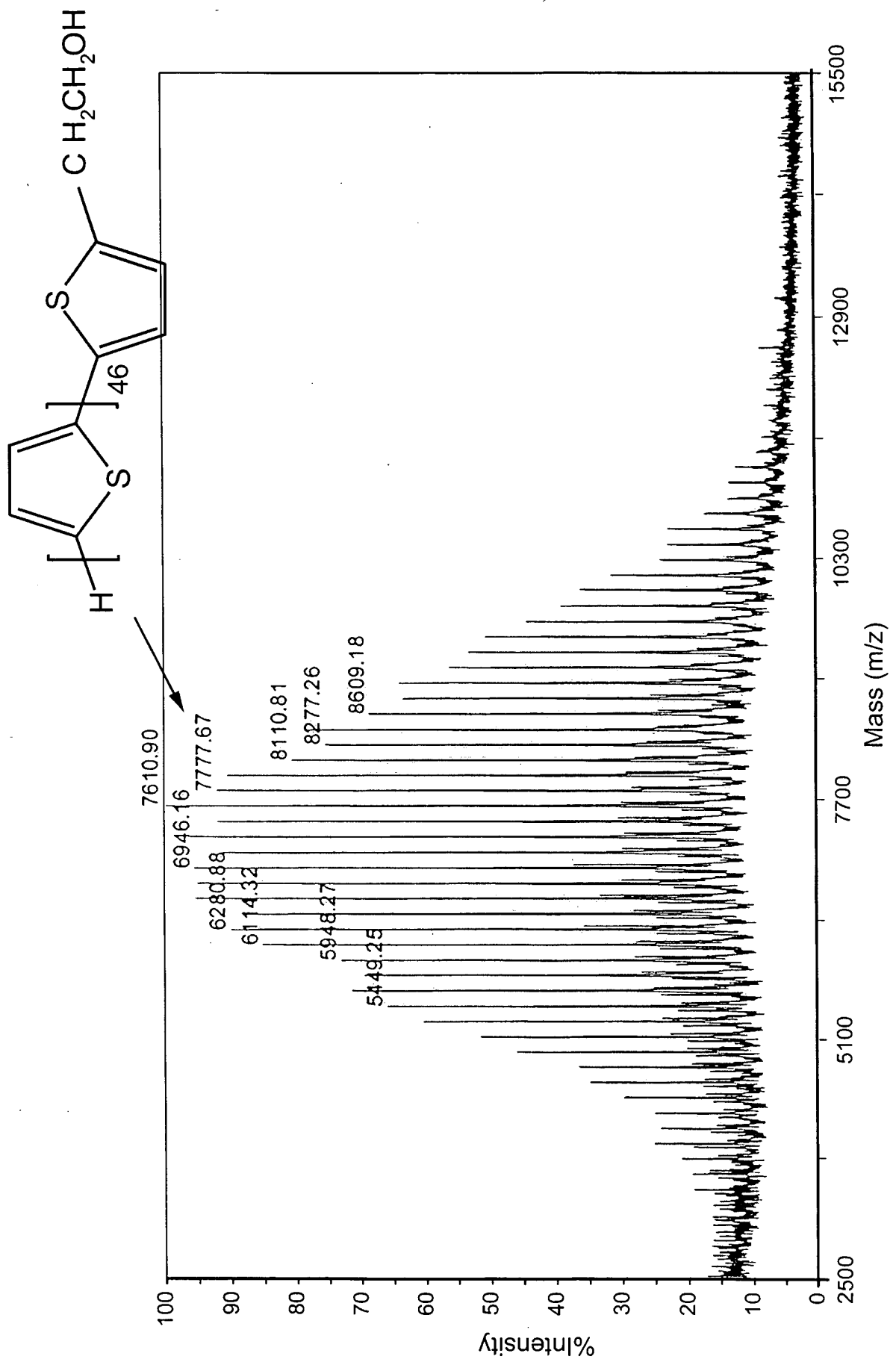


FIG. 2 NMR confirms the incorporation of the-OH functional group
on one end of HT-PHT

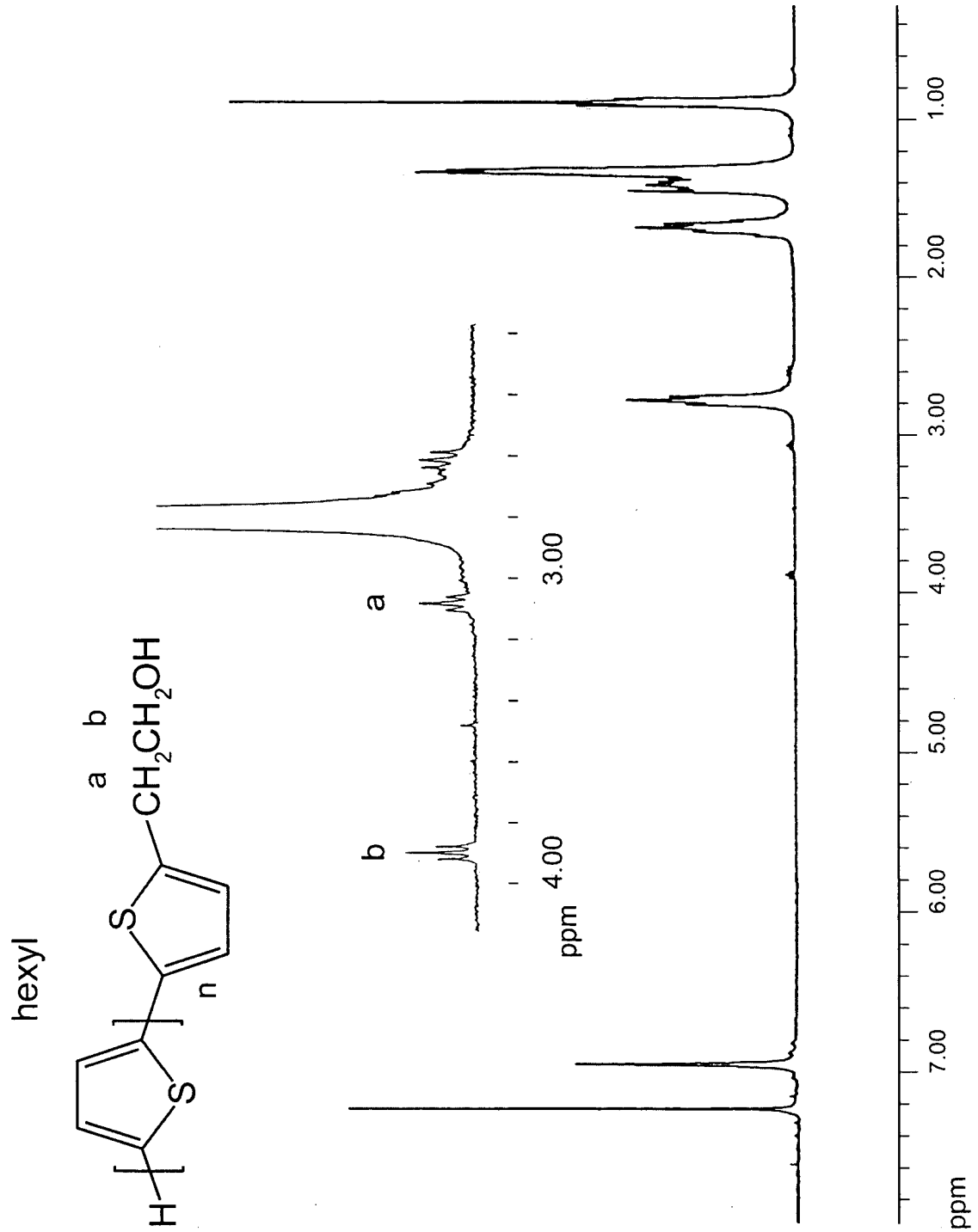


FIG. 3 MALDI MS reveals the obtaining of HT-PHT diol

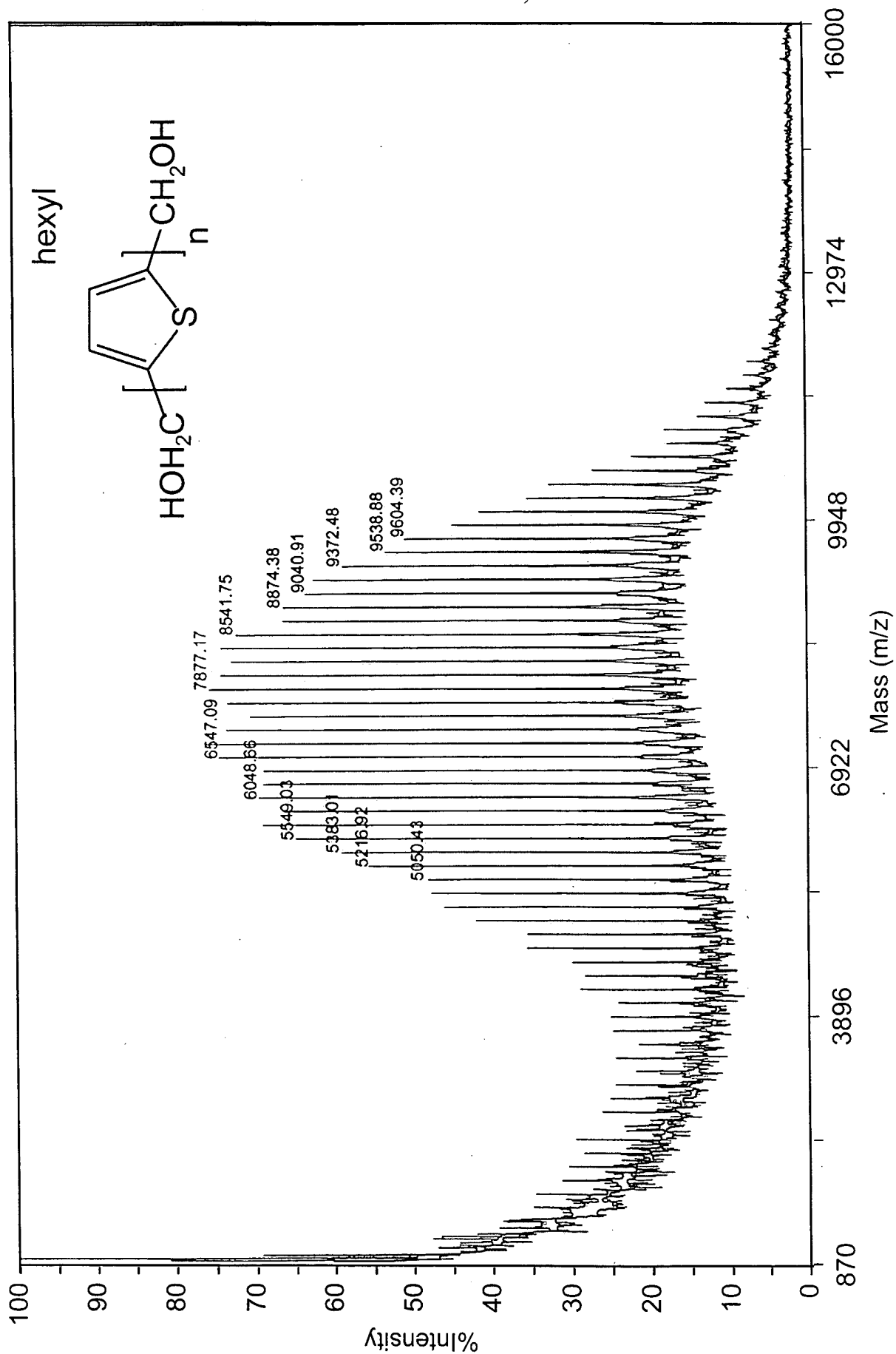
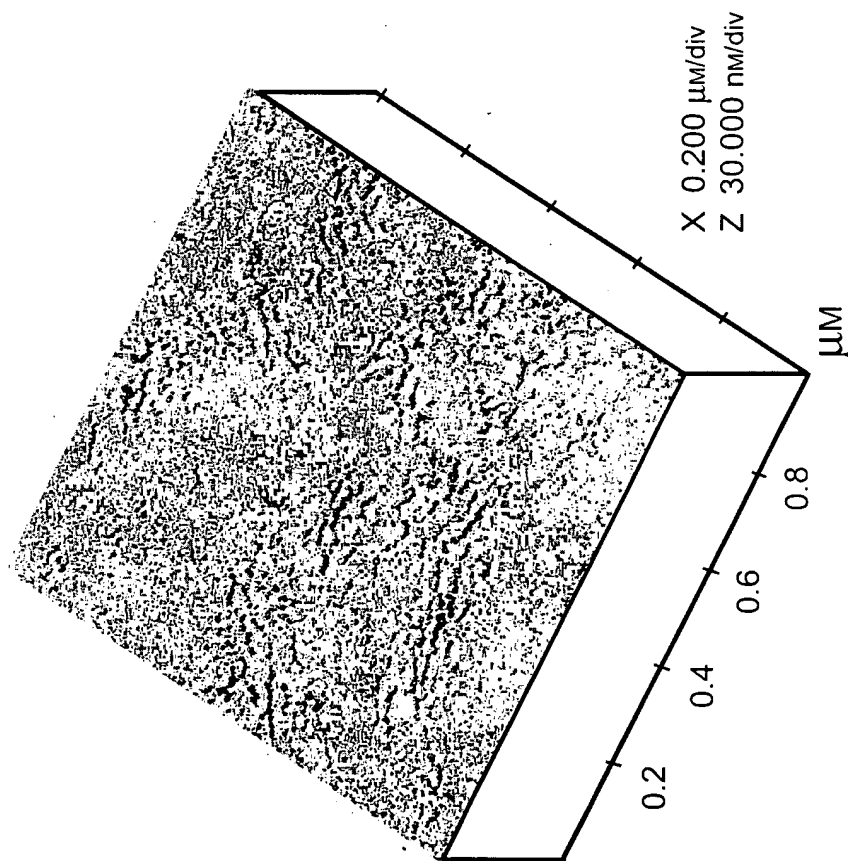


FIG. 4 AFM reveals the present of "nano-wire" network in the solid films of a HT-PHT-block-PS diblock copolymer



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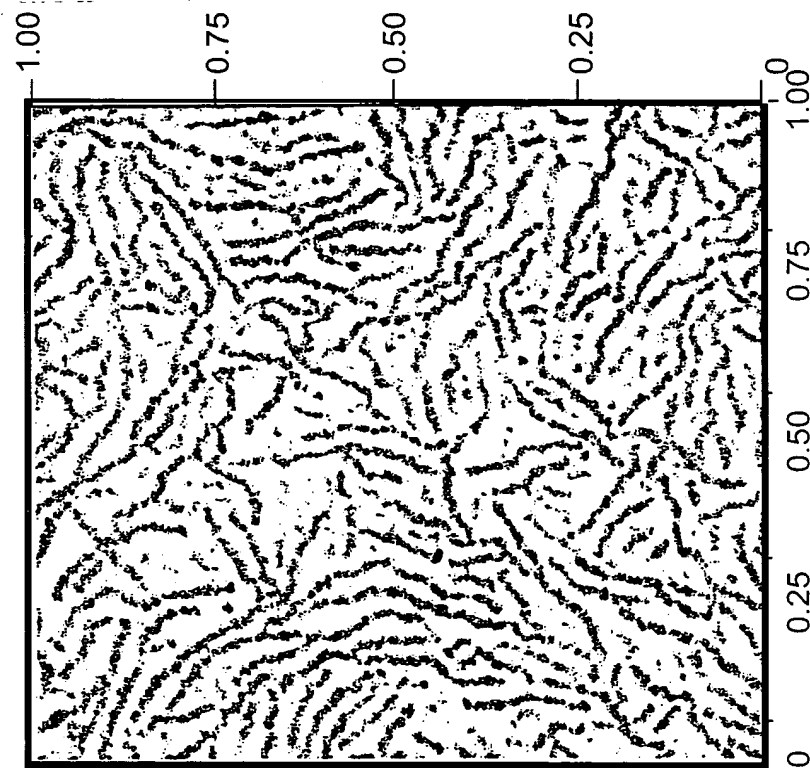


FIG. 5 AFM reveals the present of "nano-wire" network in the solid film of a
HT-PHT-block-PMA diblock copolymer

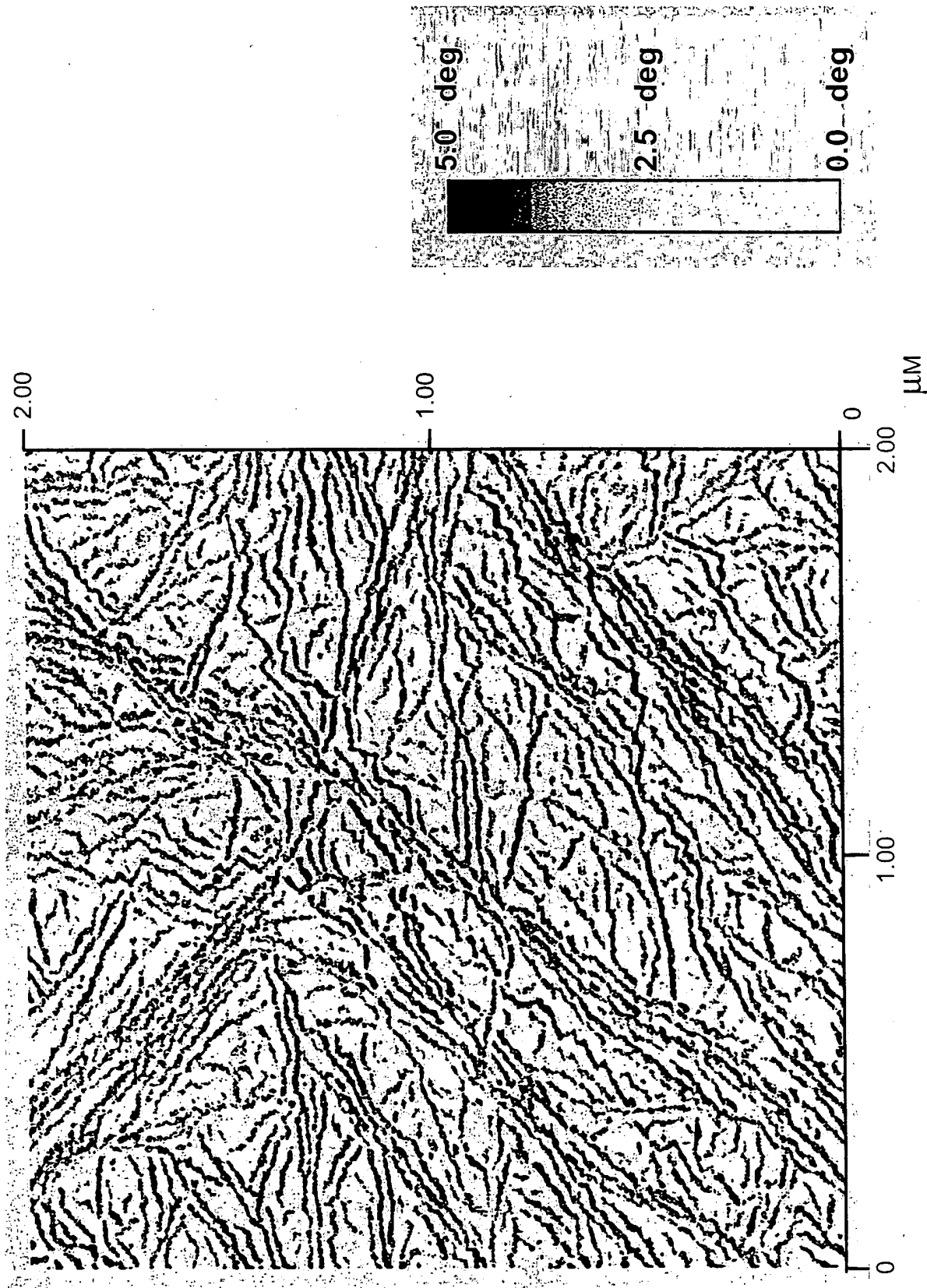


FIG. 6 TEM confirms the present of "nano-wire" network in the solid film of a
HT-PHT-block-PMA diblock copolymer

